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PATENT CLAIMS

The method of under-pressure carburizing of steel workpieces with the introduction of the active nitrogen carrier to the vacuum furnace chamber, accompanied by the introduction of ammonia until the pressure of 1 to 500 mbar is reached is characteristic in that the ammonia is started to be introduced into the vacuum furnace chamber at the moment when the charge reaches the temperature of 400°C, and it is kept being introduced into the chamber until the moment when the batch reaches the temperature required for start of the carburizing process, i.e. the moment when the carbon carrier is started to be introduced.

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AMENDED SHEET